

CLAIMS

- 1) A mobile ring (1) connecting/release device (8), in particular for a high mast with a tower with predetermined height and a fixed supporting head (3) at one end of the tower, comprising connecting means attached to the mobile ring (1) in such a way as to removably connect it to the fixed supporting head (3), the connecting/release device being characterised in that the connecting means comprise rigid contact elements (9) shaped in such a way that they rest on corresponding supporting head (3) contact portions (10).
- 2) The device according to claim 1, characterised in that each contact element (9) is rotatably fixed on a corresponding mobile ring (1) upright (11).
- 3) The device according to claim 2, characterised in that each of the contact elements (9) is shaped in such a way that it is at an angle to a horizontal direction, in the home configuration.
- 4) The device according to claim 2, characterised in that the contact portions (10) form guides for insertion of the mobile ring (1) upright (11) in the fixed supporting head (3).
- 5) The device according to claim 4, characterised in that the fixed supporting head (3) comprises means

for activating a rotation of a contact element (9) about an axis substantially perpendicular to a mobile ring (1) upright (11), for aligning the contact element (9) with the upright (11) and allowing insertion of the latter in the guides (10).

- 6) The device according to claim 5, characterised in that the means for activating the rotation comprise at least one pusher body (13) connected to the guides (10) and/or at least one peg (14) fixed to the supporting head (3), both acting on a portion (9a) of a contact element (9).
- 7) The device according to claim 2, characterised in that each contact element (9) is fixed on a corresponding mobile ring (1) upright (11) by means of a single pin (12).
- 8) The device according to claim 1, characterised in that the contact portions (10) have at least one substantially horizontal and flat surface (10a).
- 9) The device according to claim 8, characterised in that the contact elements (9) have at least one substantially flat outer surface (9a; 91a), allowing them to rest without gaps on the corresponding flat surface (10a) of the contact portions (10).